Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032217\
Data File : BF093873.D
Acq On : 23 Mar 2017 10:24
Operator : SJ/MA
Sample : I2337-05 2X
Misc :
ALS Vial : 42 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E2-Q14-ESW

Quant Time: Mar 23 17:05:59 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 23 02:02:22 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.99	152	195282	20.00	ng	0.00
21) Naphthalene-d8	7.49	136	760278	20.00	ng	0.00
38) Acenaphthene-d10	9.63	164	324990	20.00	ng	0.00
63) Phenanthrene-d10	11.46	188	497400	20.00	ng	0.00
75) Chrysene-d12	14.71	240	340795	20.00	ng	0.00
86) Perylene-d12	16.34	264	319027	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.50	112	576766	49.88	ng	0.00
7) Phenol-d6	5.56	99	769394	53.79	ng	0.00
23) Nitrobenzene-d5	6.63	82	514514	38.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.60	330	119329	46.47	ng	-0.01
44) 2-Fluorobiphenyl	8.81	172	770297	36.15	ng	-0.01
78) Terphenyl-d14	13.43	244	387946	25.52	ng	0.00
Target Compounds						Qvalue
10) Phenol	5.57	94	36591	2.25	ng	89
49) Dimethylphthalate	9.30	163	83960	3.63	ng	98
70) Phenanthrene	11.49	178	59242	2.14	ng	100
74) Fluoranthene	12.94	202	121925	4.30	ng	97
77) Pyrene	13.22	202	127513	5.16	ng	99
80) Benzo(a)anthracene	14.69	228	62131	3.13	ng	94
82) Chrysene	14.74	228	65053m	3.53	ng	
85) Indeno(1,2,3-cd)pyrene	17.73	276	57531	3.60	ng	97
87) Benzo(b)fluoranthene	15.93	252	104811m	5.36	ng	
89) Benzo(a)pyrene	16.28	252	82129	4.56	ng	98
91) Benzo(g,h,i)perylene	18.14	276	58363	3.80	ng	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Acq On : 23 Mar 2017 10:24
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Misc :
ALS Vial : 42 Sample Multiplier: 1

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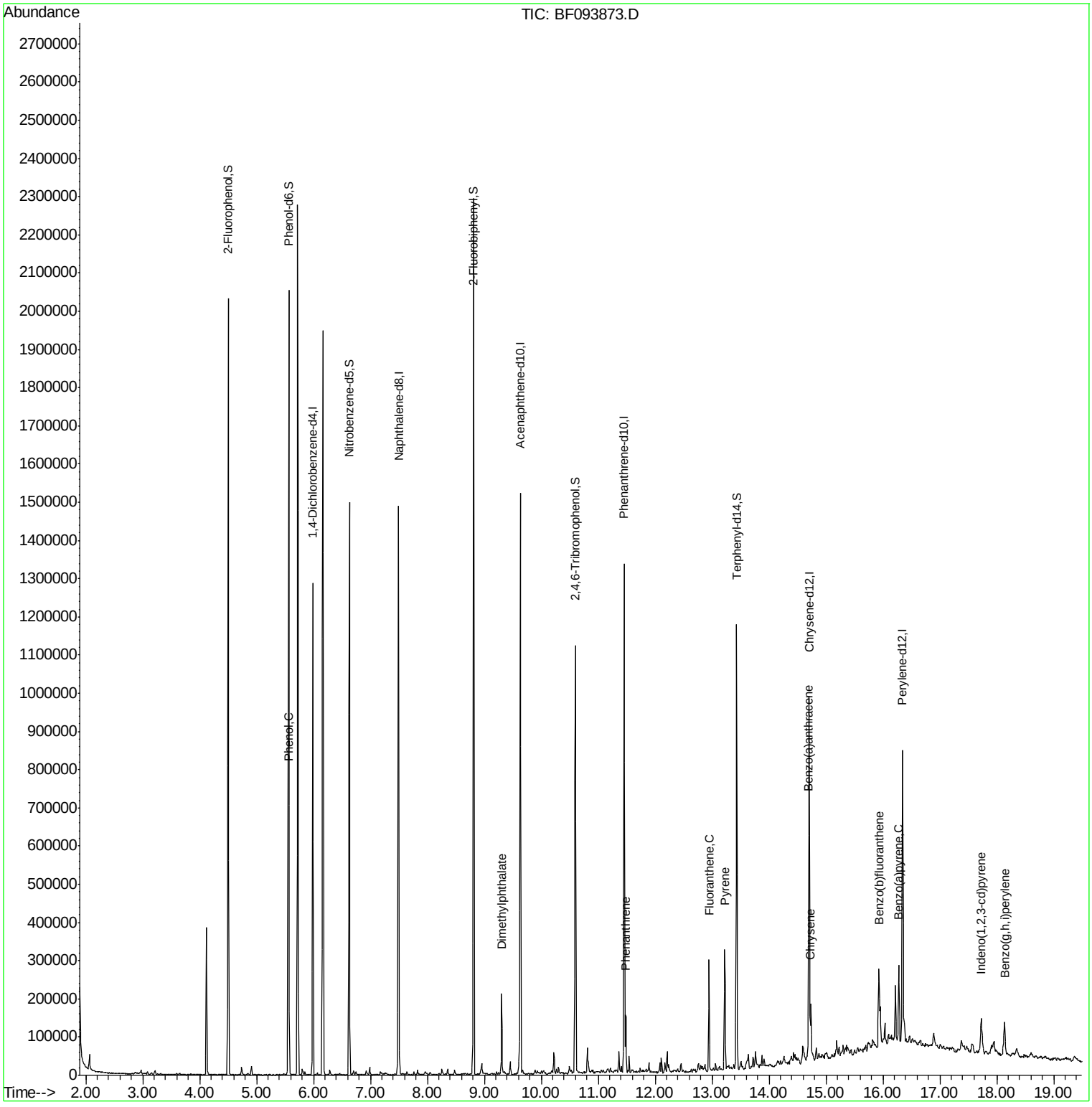
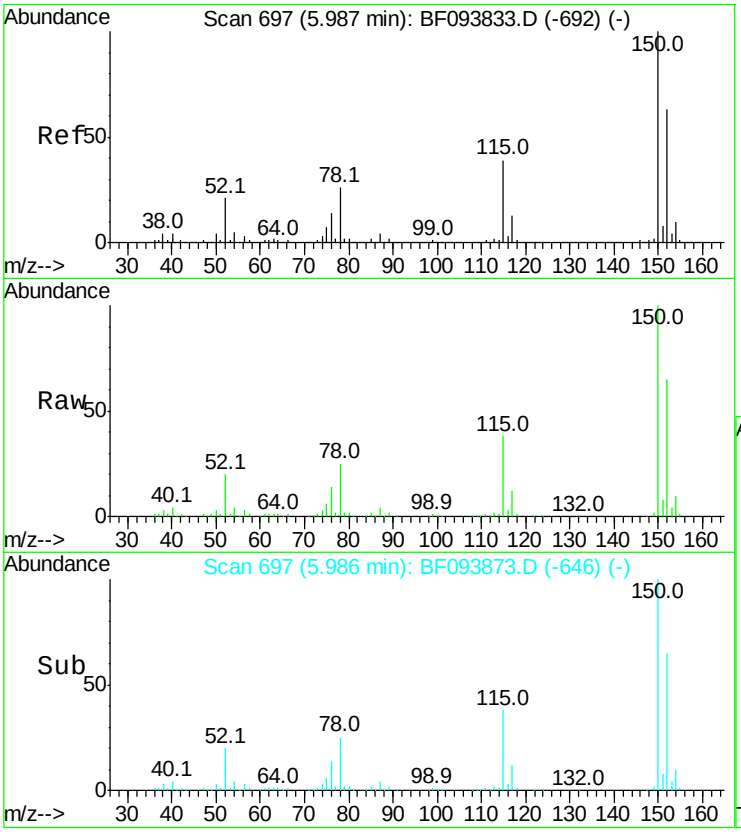


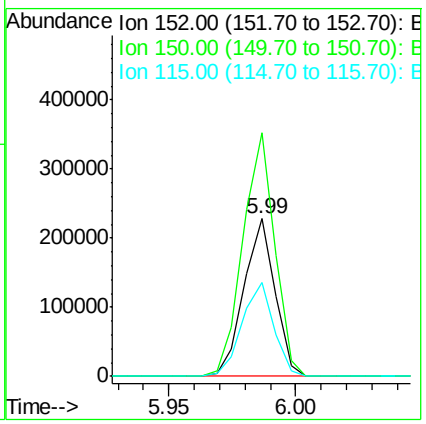


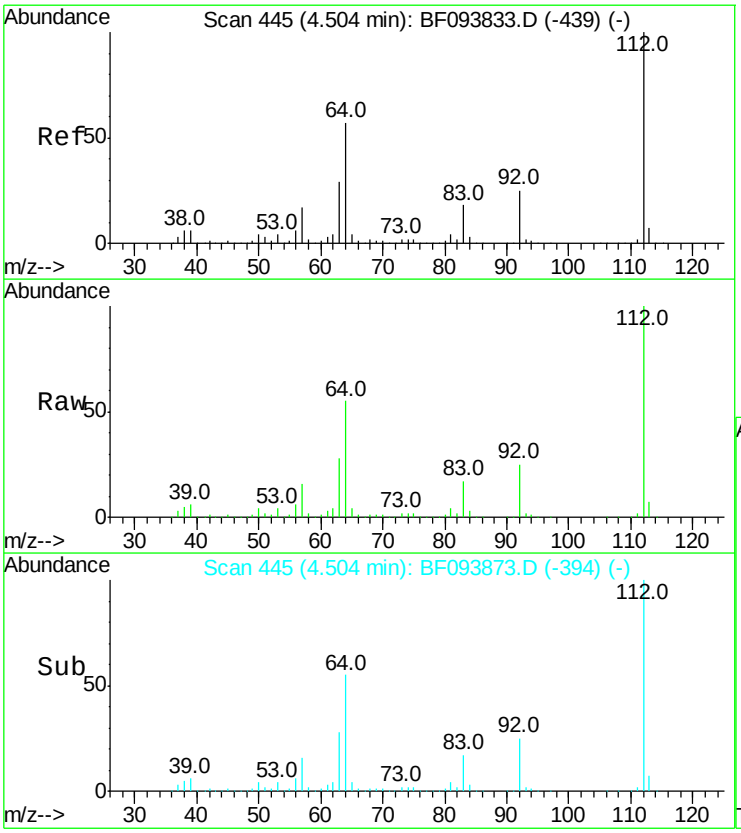
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.99 min Scan# 697
Delta R.T. -0.00 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:152 Resp: 195282

Ion	Ratio	Lower	Upper
152	100		
150	154.9	126.2	189.2
115	59.3	52.2	78.2

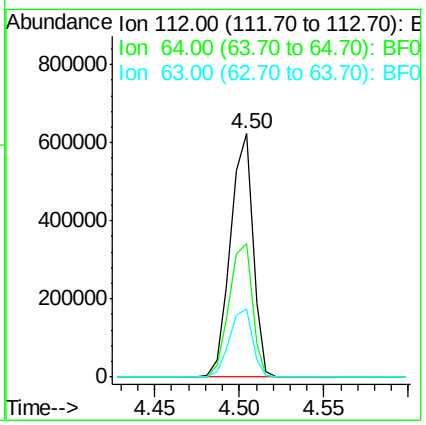


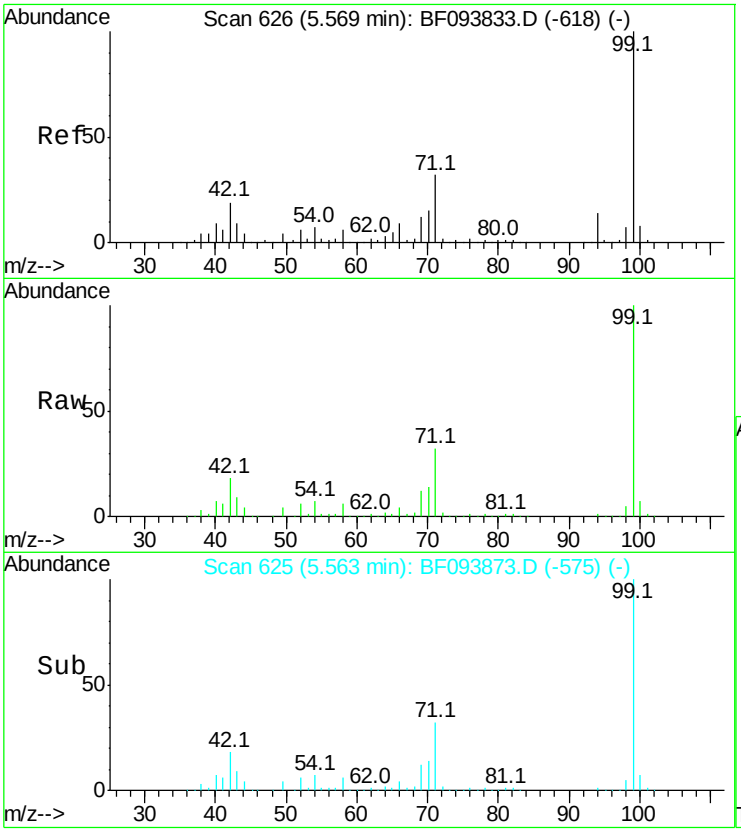


#5
2-Fluorophenol
Concen: 49.88 ng
RT: 4.50 min Scan# 445
Delta R.T. 0.00 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:112 Resp: 576766

Ion	Ratio	Lower	Upper
112	100		
64	54.9	46.0	69.0
63	28.0	23.4	35.0



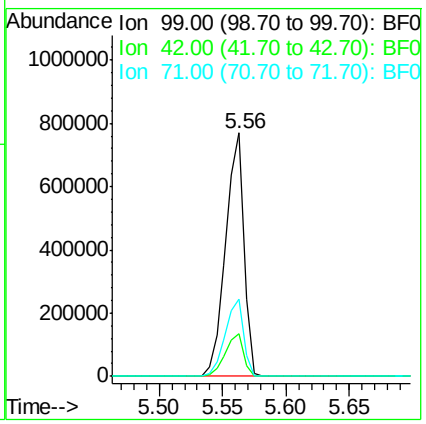


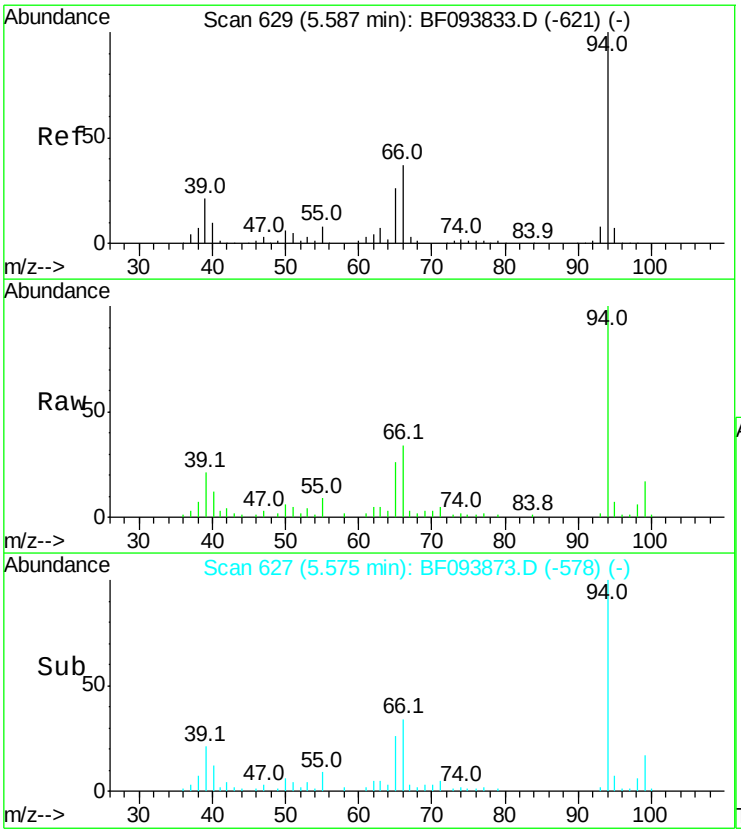
#7
Phenol-d6
Concen: 53.79 ng
RT: 5.56 min Scan# 625
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion: 99 Resp: 769394

Ion	Ratio	Lower	Upper
99	100		
42	17.6	13.5	20.3
71	31.7	24.5	36.7

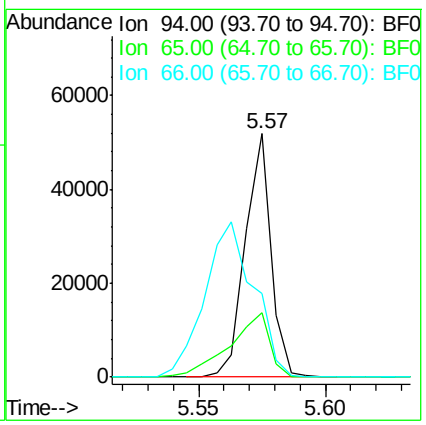


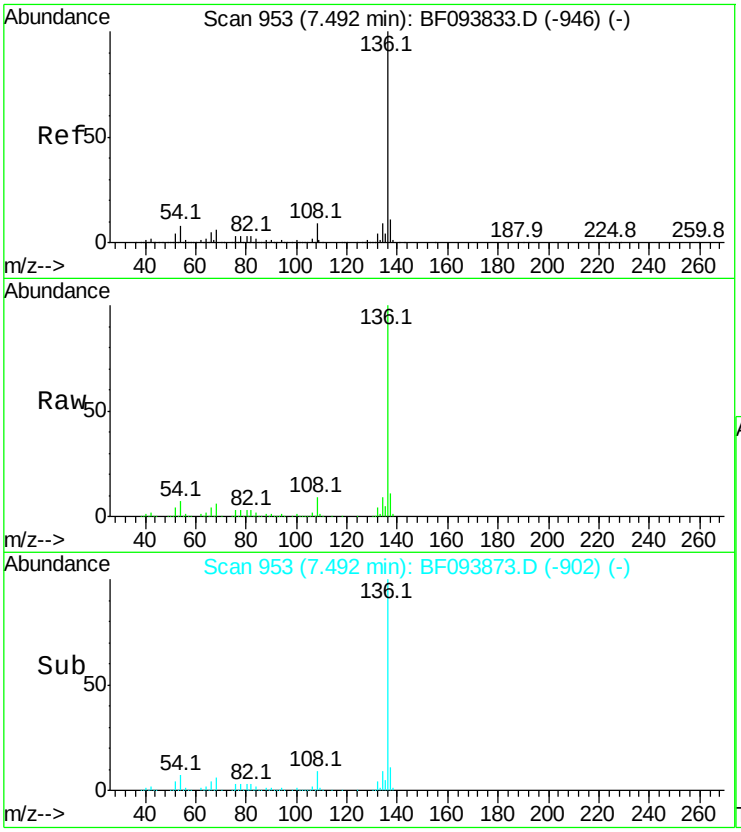


#10
Phenol
Concen: 2.25 ng
RT: 5.57 min Scan# 627
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion: 94 Resp: 36591

Ion	Ratio	Lower	Upper
94	100		
65	26.4	9.9	49.9
66	34.1	23.1	63.1



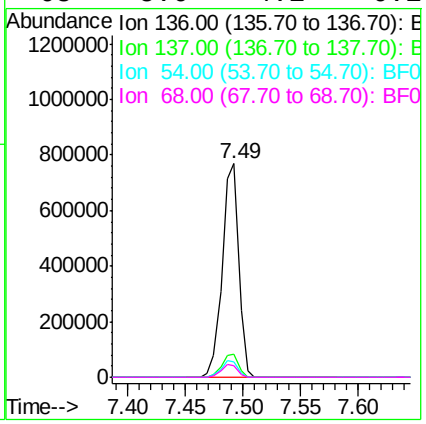


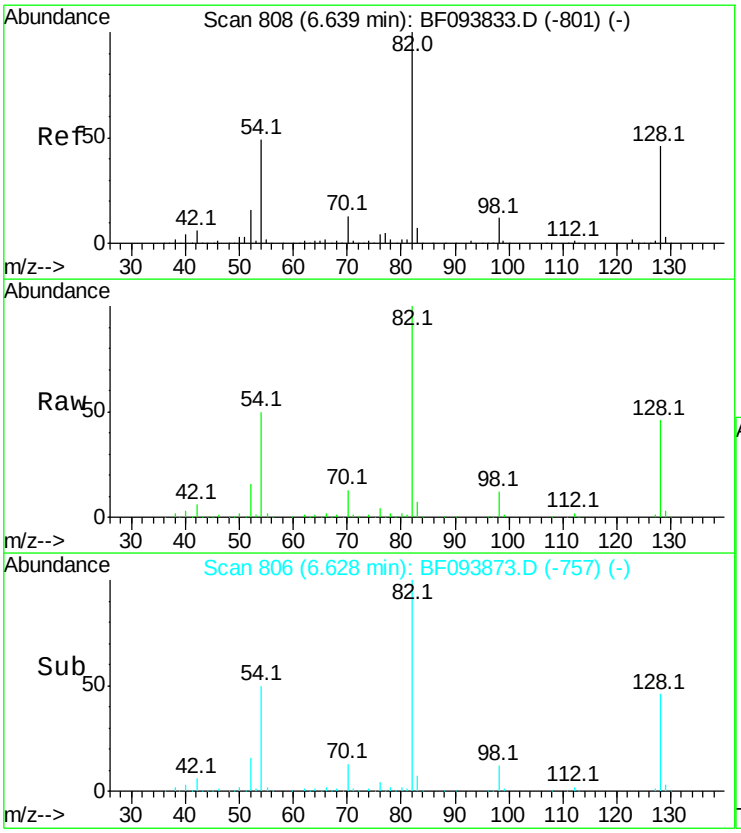
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.49 min Scan# 953
Delta R.T. -0.00 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:136 Resp: 760278

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	7.4	4.9	7.3#
68	5.6	4.1	6.1

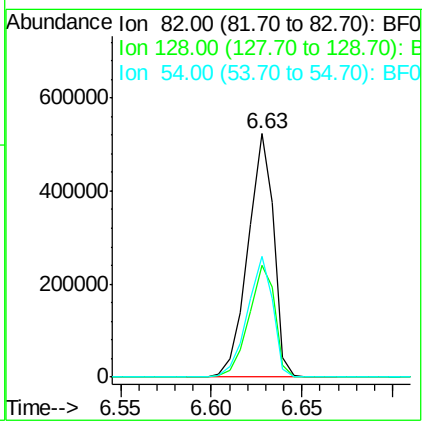


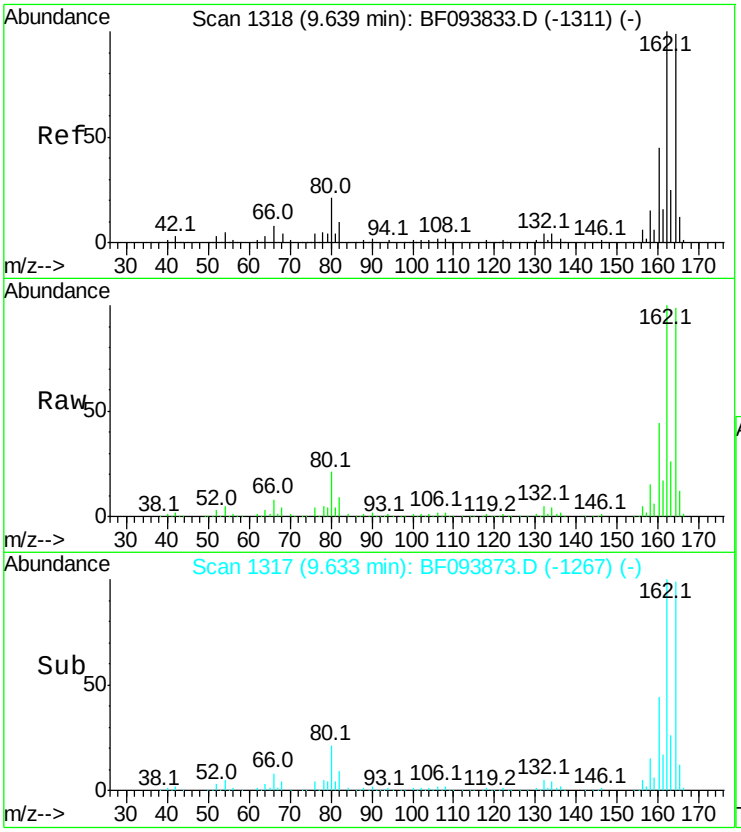


#23
Nitrobenzene-d5
Concen: 38.62 ng
RT: 6.63 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion: 82 Resp: 514514

Ion	Ratio	Lower	Upper
82	100		
128	45.9	34.0	51.0
54	49.5	42.2	63.2



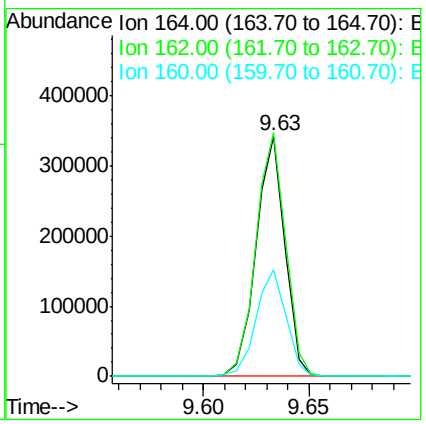


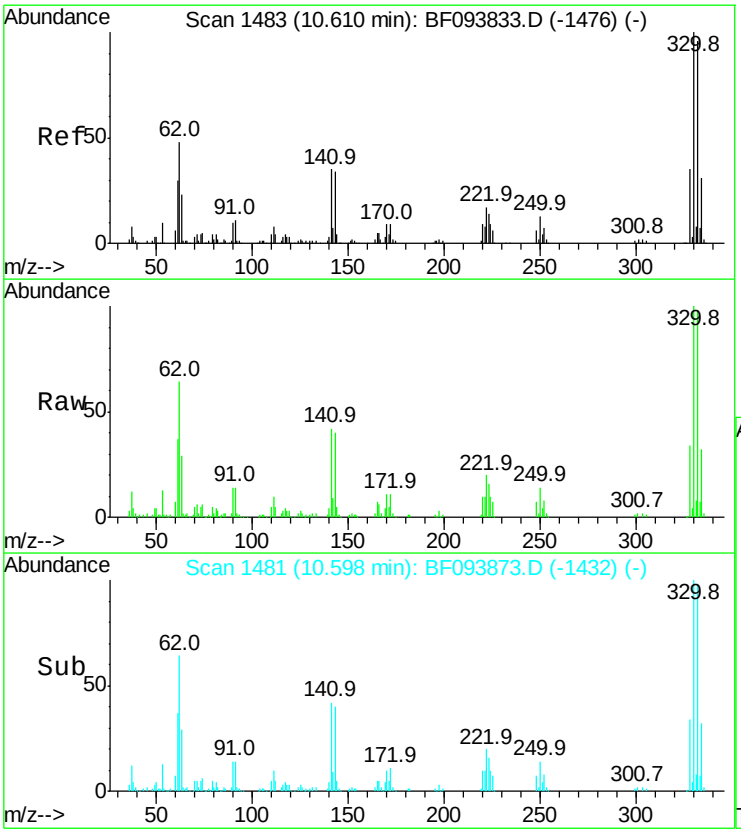
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.63 min Scan# 1317
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:164 Resp: 324990

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.6	123.8
160	44.3	36.2	54.2

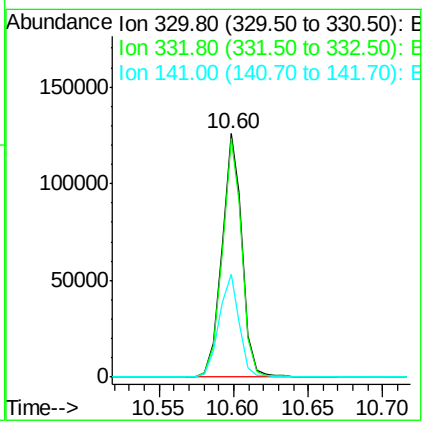


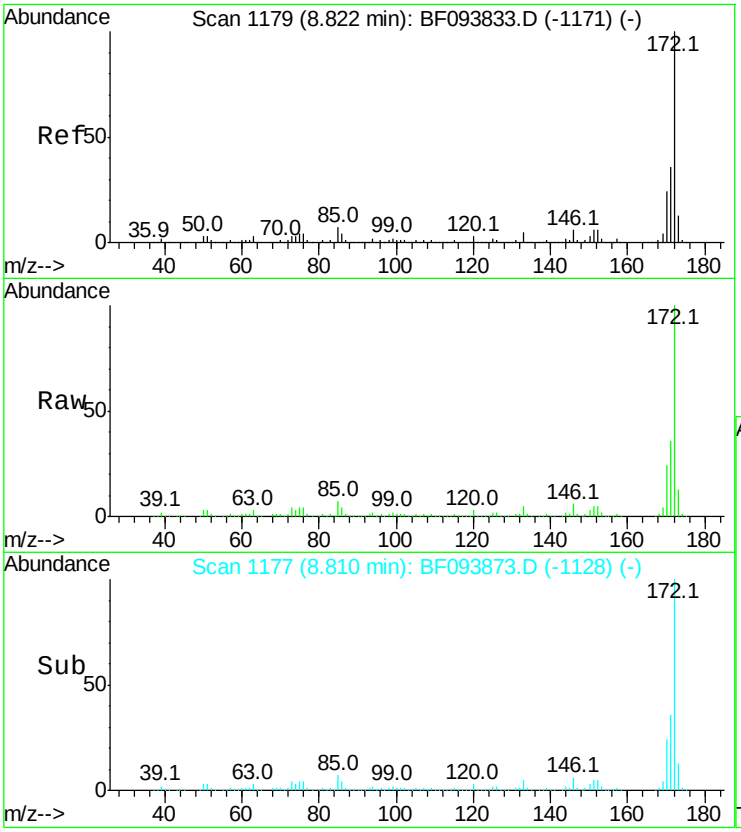


#41
2,4,6-Tribromophenol
Concen: 46.47 ng
RT: 10.60 min Scan# 1481
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:330 Resp: 119329

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.6	115.0
141	42.5	31.4	47.2



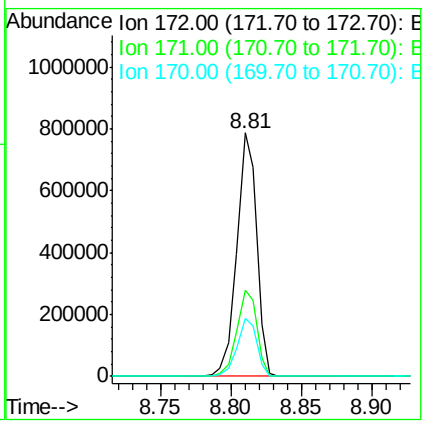


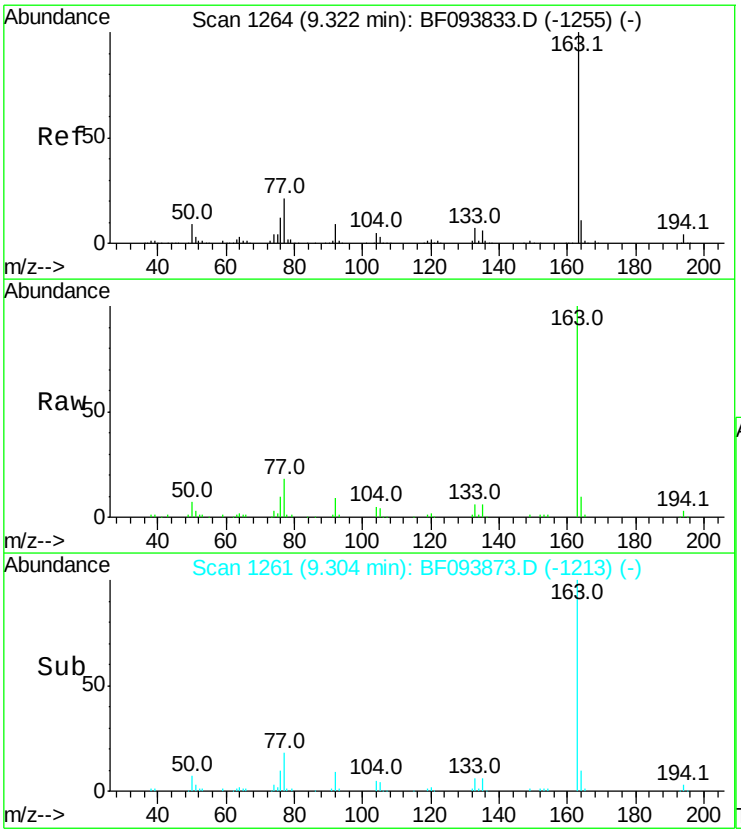
#44
2-Fluorobiphenyl
Concen: 36.15 ng
RT: 8.81 min Scan# 1177
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:172 Resp: 770297

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.6	19.8	29.8

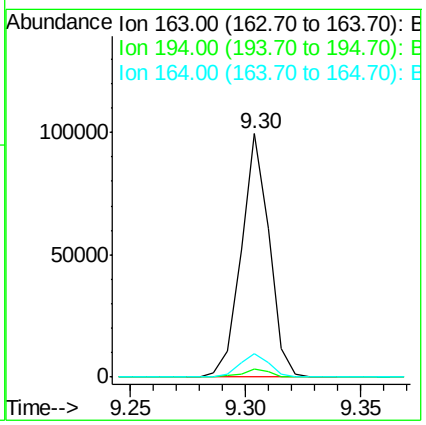


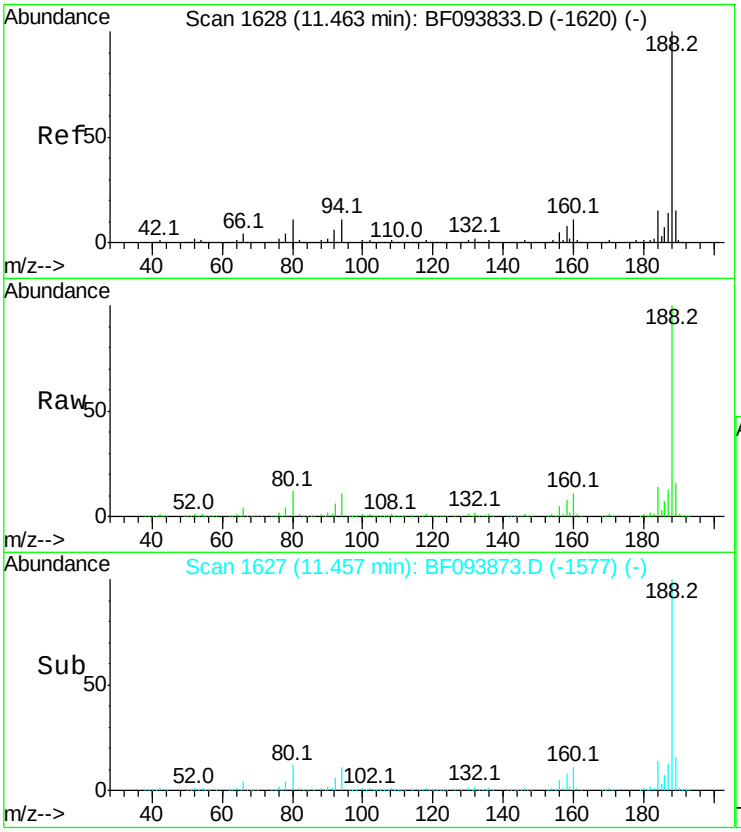


#49
Dimethylphthalate
Concen: 3.63 ng
RT: 9.30 min Scan# 1261
Delta R.T. -0.02 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:163 Resp: 83960

Ion	Ratio	Lower	Upper
163	100		
194	3.2	2.6	4.0
164	9.8	8.4	12.6



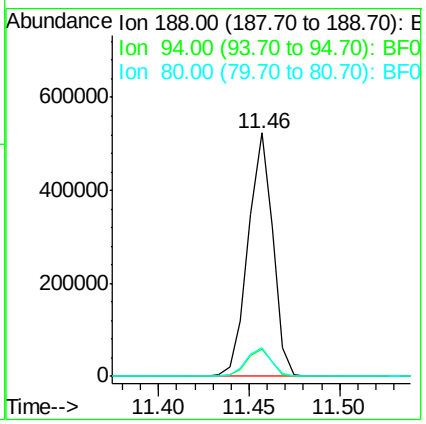


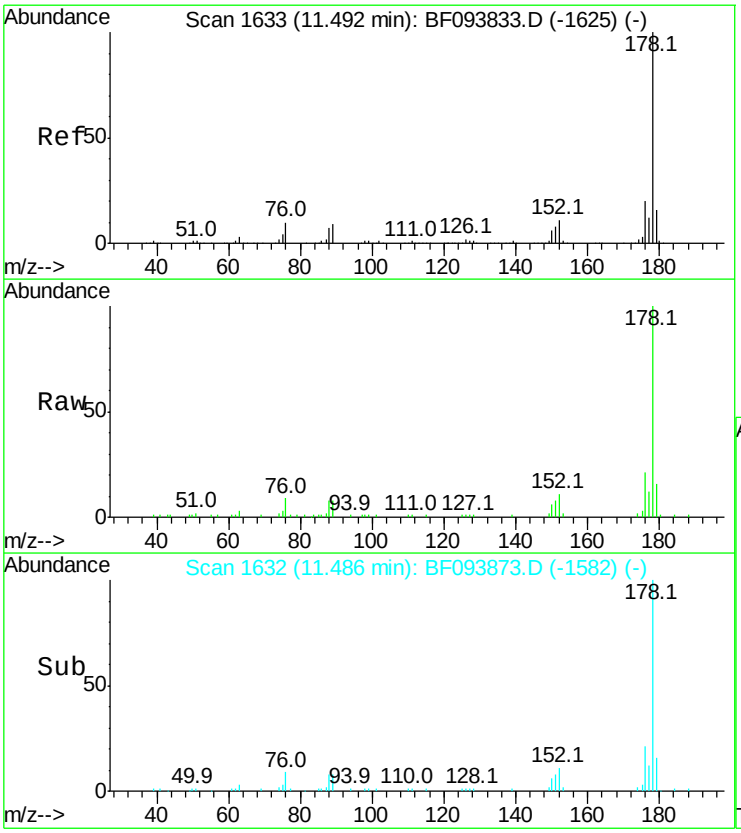
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.46 min Scan# 1627
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:188 Resp: 497400

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.4	14.2
80	11.6	10.2	15.2

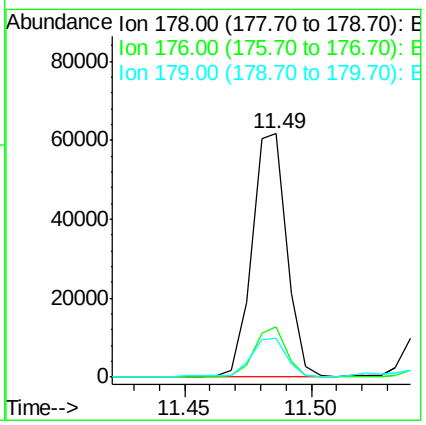


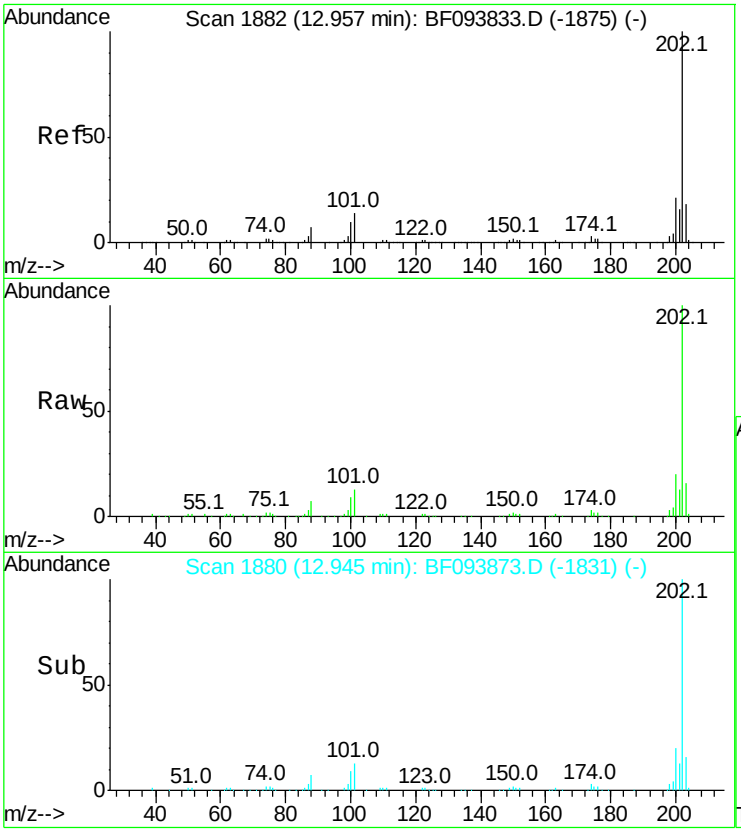


#70
Phenanthrene
Concen: 2.14 ng
RT: 11.49 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:178 Resp: 59242

Ion	Ratio	Lower	Upper
178	100		
176	20.6	16.2	24.4
179	15.9	12.6	19.0



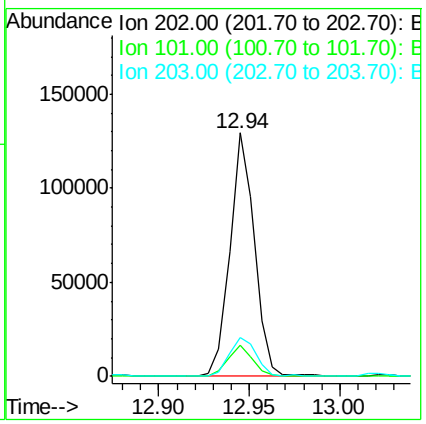


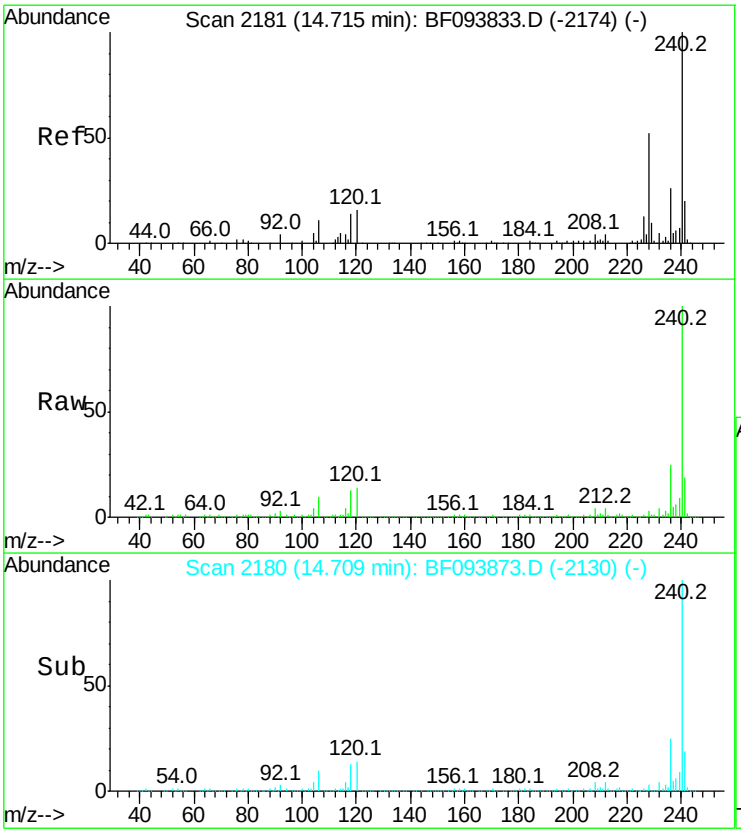
#74
Fluoranthene
Concen: 4.30 ng
RT: 12.94 min Scan# 1880
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:202 Resp: 121925

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.2
203	16.1	0.0	38.1

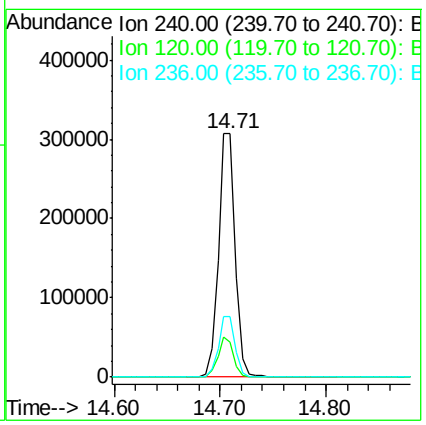


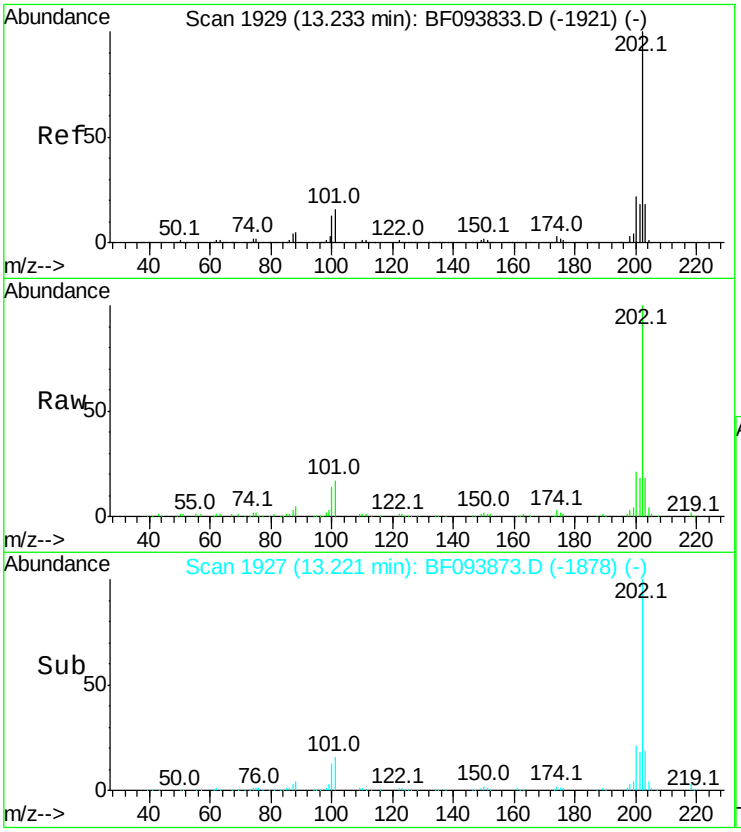


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.71 min Scan# 2180
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:240 Resp: 340795

Ion	Ratio	Lower	Upper
240	100		
120	14.2	5.8	8.8#
236	24.9	20.5	30.7



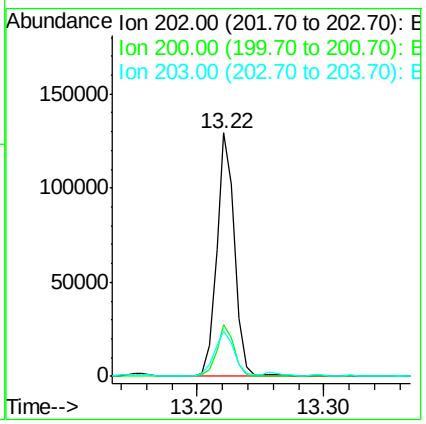


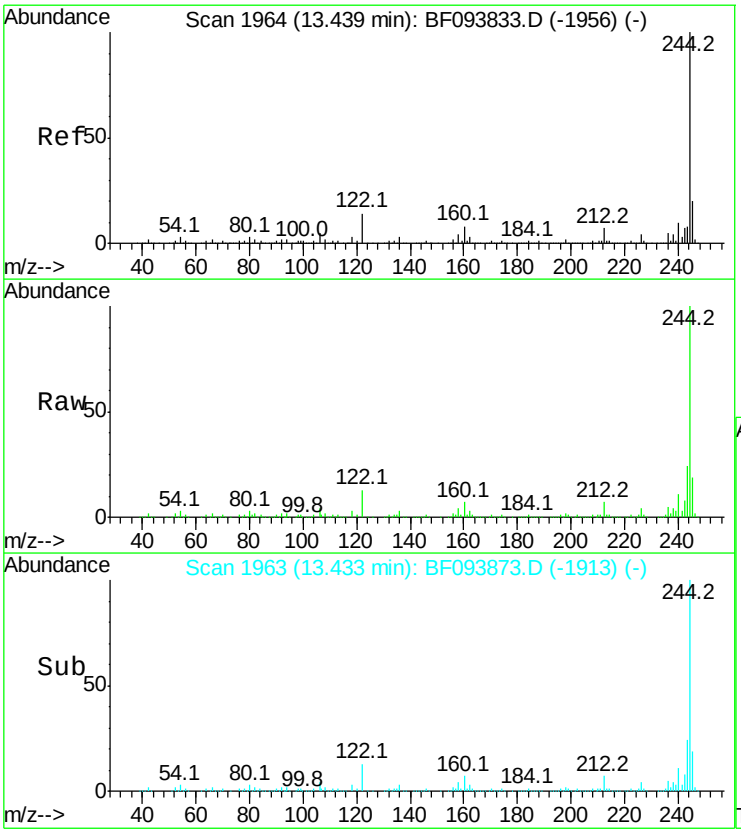
#77
Pyrene
Concen: 5.16 ng
RT: 13.22 min Scan# 1927
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:202 Resp: 127513

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.6	26.4
203	18.5	14.4	21.6

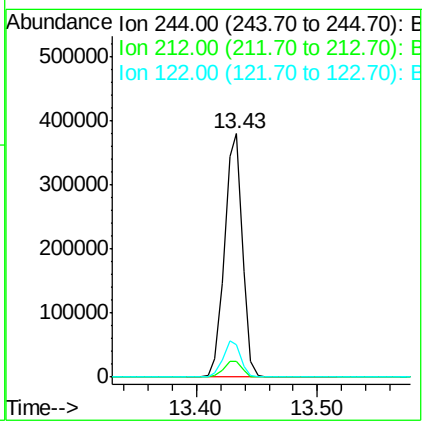


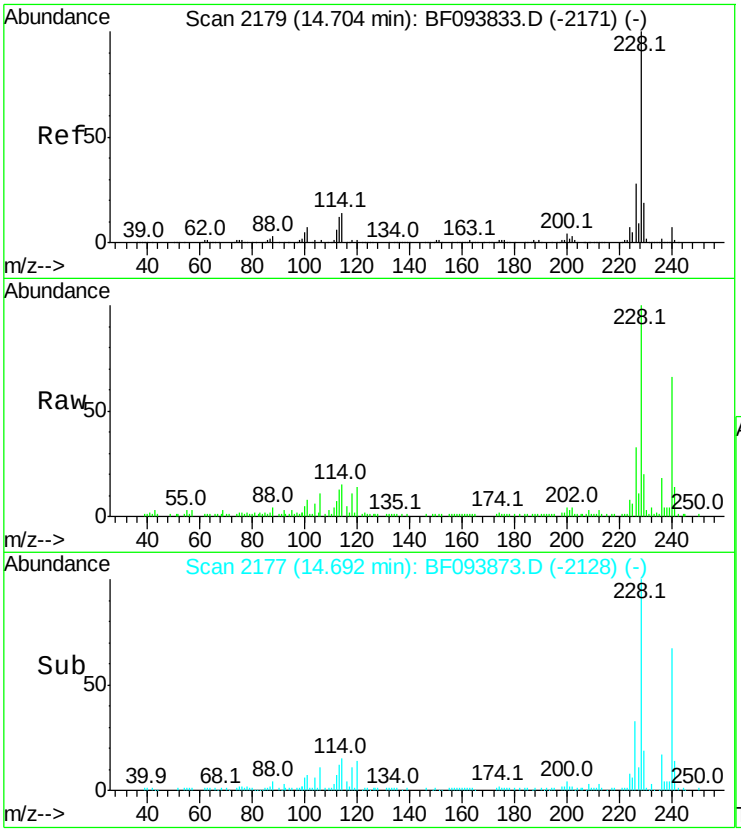


#78
Terphenyl-d14
Concen: 25.52 ng
RT: 13.43 min Scan# 1963
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:244 Resp: 387946

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	13.5	10.3	15.5



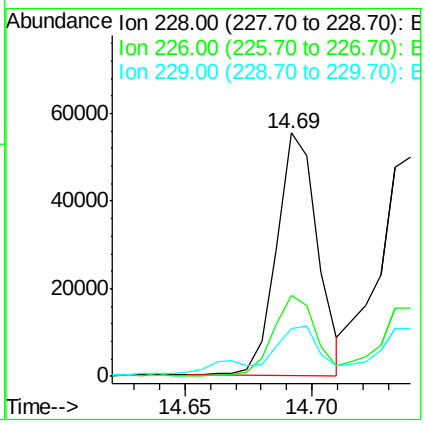


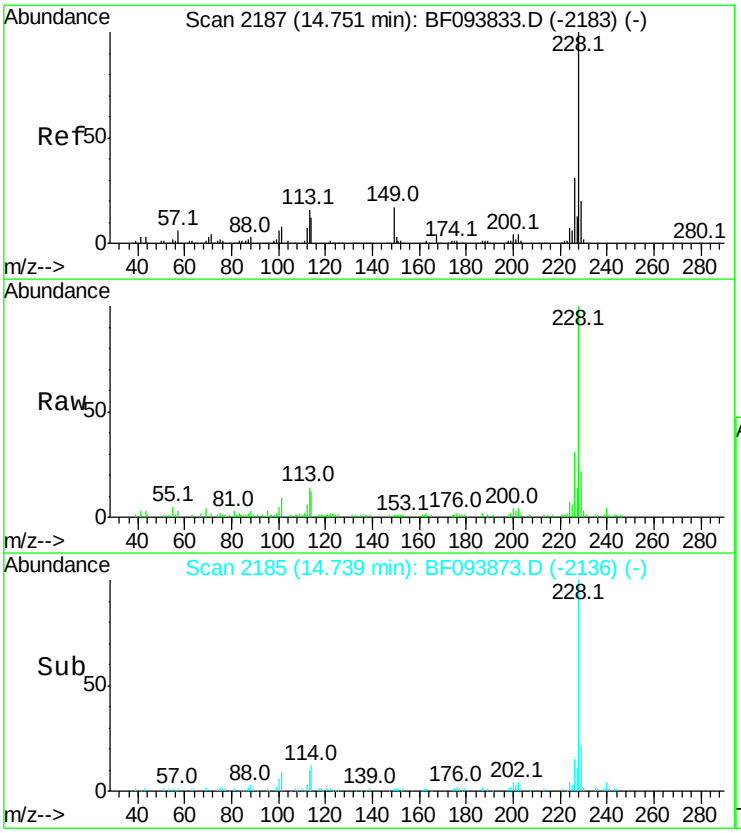
#80
Benzo(a)anthracene
Concen: 3.13 ng
RT: 14.69 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:228 Resp: 62131

Ion	Ratio	Lower	Upper
228	100		
226	33.4	22.6	33.8
229	19.7	16.3	24.5

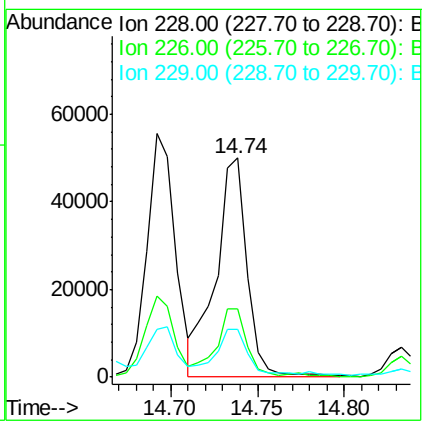


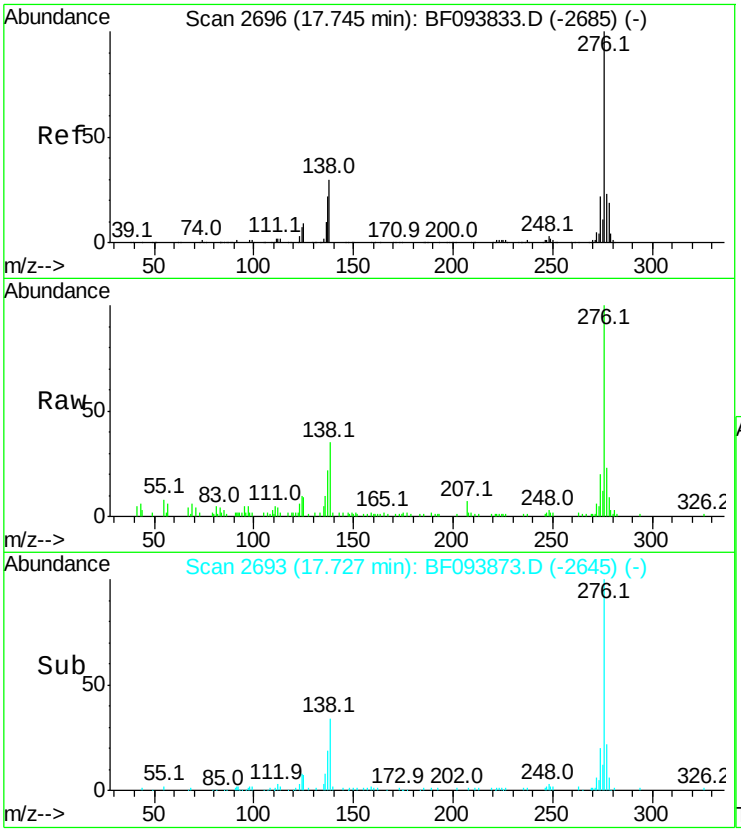


#82
Chrysene
Concen: 3.53 ng m
RT: 14.74 min Scan# 2185
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:228 Resp: 65053

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.9	37.3
229	21.8	15.8	23.6



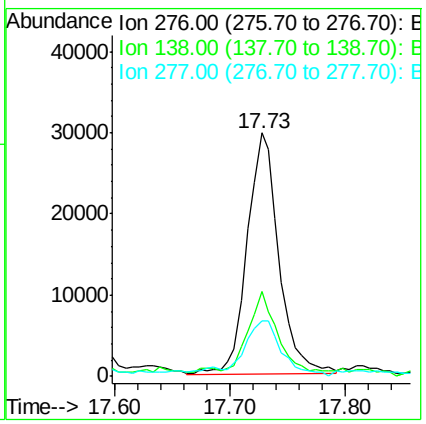


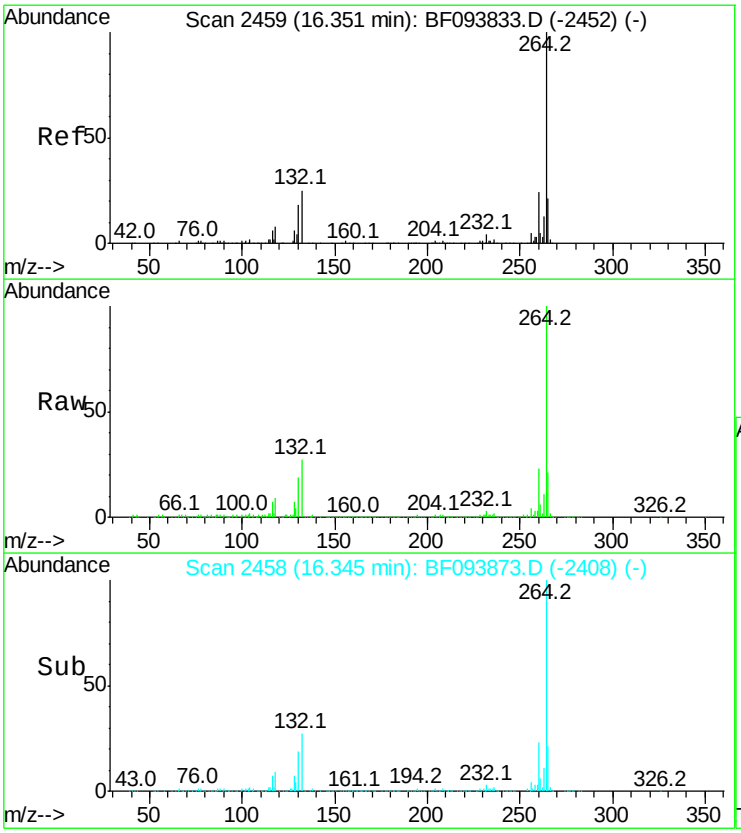
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.60 ng
RT: 17.73 min Scan# 2693
Delta R.T. -0.02 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:276 Resp: 57531

Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.8	41.6
277	26.4	20.2	30.4

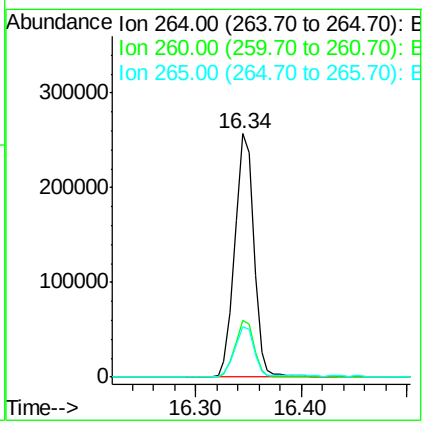


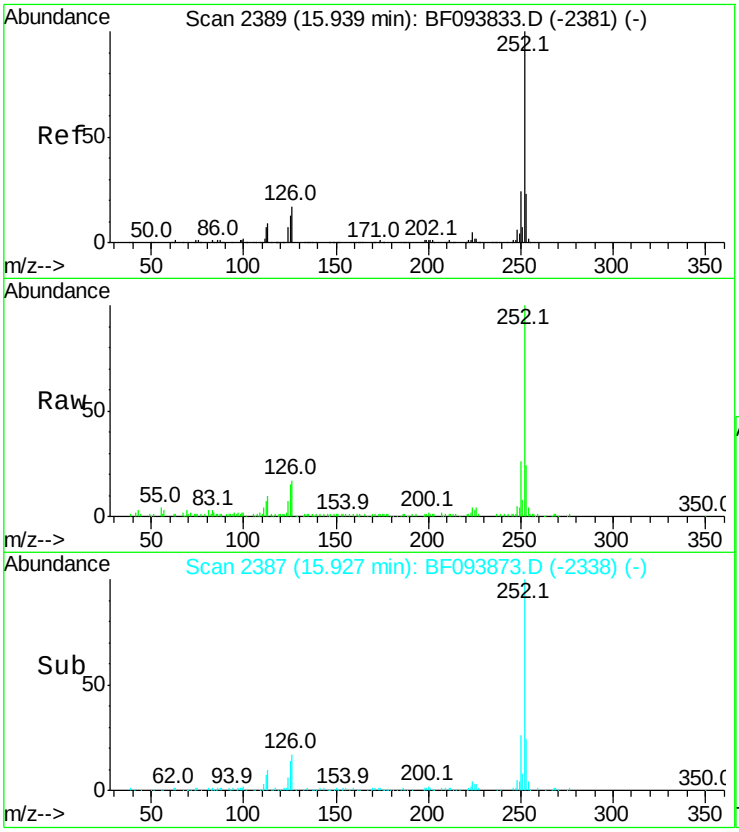


#86
Perylene-d12
Concen: 20.00 ng
RT: 16.34 min Scan# 2458
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:264 Resp: 319027

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	20.7	17.2	25.8



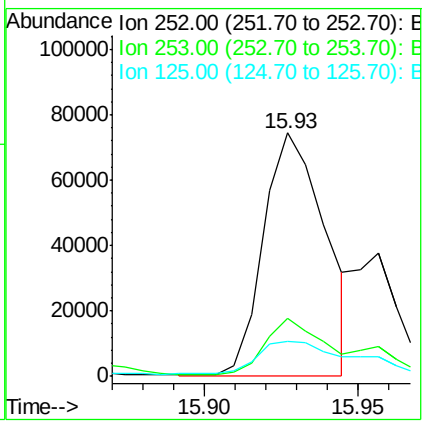


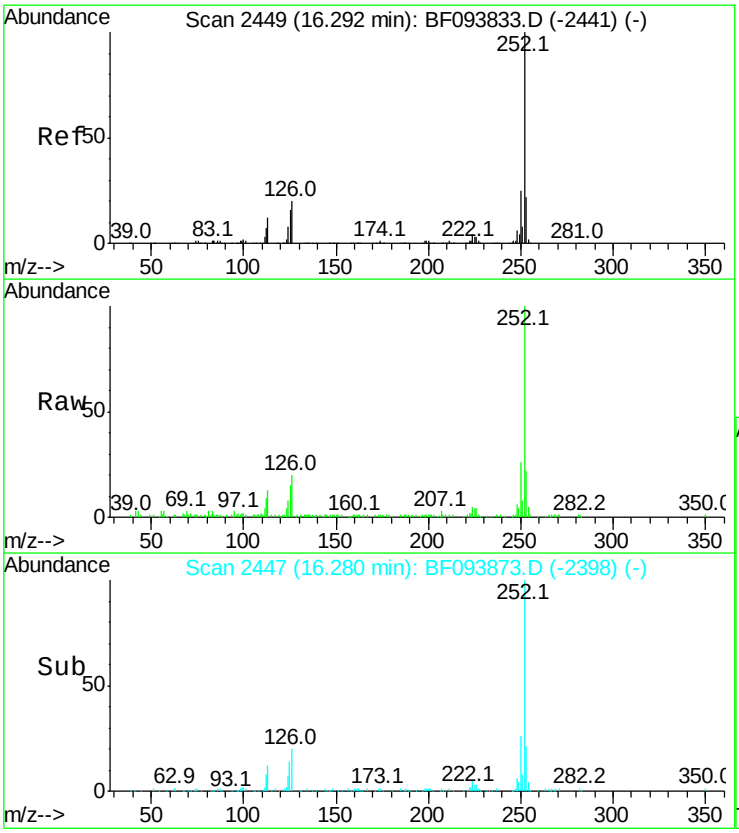
#87
Benzo(b)fluoranthene
Concen: 5.36 ng m
RT: 15.93 min Scan# 2387
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:252 Resp: 104811

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	14.5	9.8	14.8

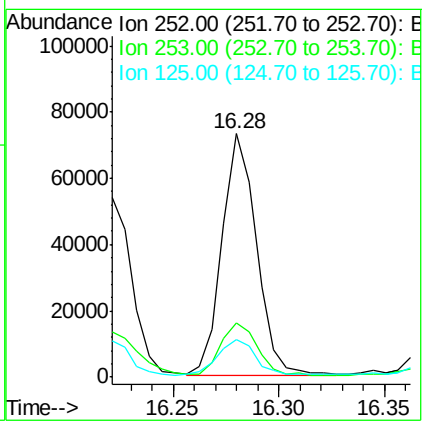


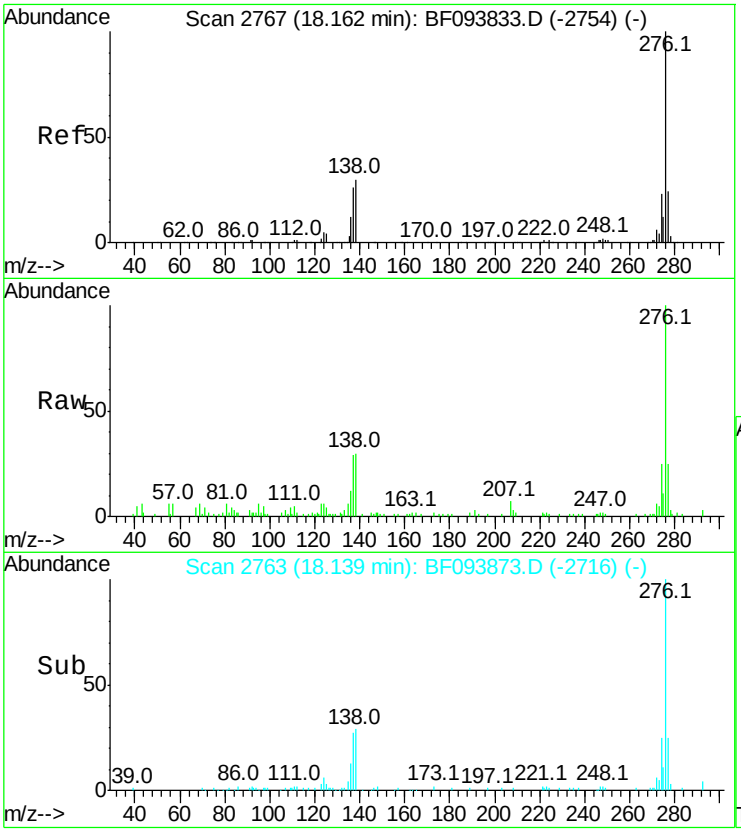


#89
Benzo(a)pyrene
Concen: 4.56 ng
RT: 16.28 min Scan# 2447
Delta R.T. -0.01 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Tgt Ion:252 Resp: 82129

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	15.4	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 3.80 ng
RT: 18.14 min Scan# 2763
Delta R.T. -0.02 min
Lab File: BF093873.D
Acq: 23 Mar 2017 10:24

Instrument :
BNA_F
ClientSampleId :
E2-Q14-ESW

Tgt Ion:276 Resp: 58363

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.6	28.0
138	29.6	25.4	38.0